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901048-001
Rev 02

TouchTunes

FRU Installation Guide
Replacing Angelina's Amplifier

Purpose

This document explains how to replace an Angelina amplifier using the Amplifier Field Replacement Unit (FRU) kit.

Audience

- TouchTunes Angelina jukebox operators
- TouchTunes Field Service and Customer Support
- TouchTunes Sales personnel

Estimated Time

15 minutes

Required Personnel

1 Technician

This document includes tasks of the following type:

☐	Software
☑	Hardware
☐	Mechanical
☐	Packaging

Topics

- Required Tools and Equipment
- Important Safety Information
- Included in This Kit
- Installing the Amplifier
- Contacting Technical Support

Required Tools and Equipment

- Phillips-head screwdriver

NOTE	For warranty returns, place the defective unit into the packaging/container from which you remove the replacement unit. Do not open the defective unit. Doing so voids its warranty. You must obtain a valid Return Authorization (RA) number from TouchTunes before shipping a defective unit.

Important Safety Information

WARNING: When performing this procedure or any other maintenance on your jukebox, the unit must be powered off and its electrical power disconnected.

Included in This Kit

Ensure that you have received all the required parts before proceeding with this installation.

Part	Quantity	TouchTunes Part #
FAS, SCR, X-PAN, M4x8, ZN	4	200020-008
MAN, FRU, AMPLIFIER (this document)	1	901048-001

Installing the Amplifier

To replace Angelina's amplifier:

1. Press the **MNGR** button on the I/O Board to open the Operator interface main menu.
2. Press the **REBOOT** button.
3. When you hear the BIOS beep, power down Angelina by setting the rocker switch on the Power Supply Unit (PSU) to the OFF (**O**) position.

WARNING: Never shut down or unplug Angelina without first performing a reboot and waiting for the BIOS beep. Doing so can cause damage to the hard drive and make it unusable.

4. Unplug the AC power cable from the wall socket.

5. Disconnect all connectors from the amplifier.

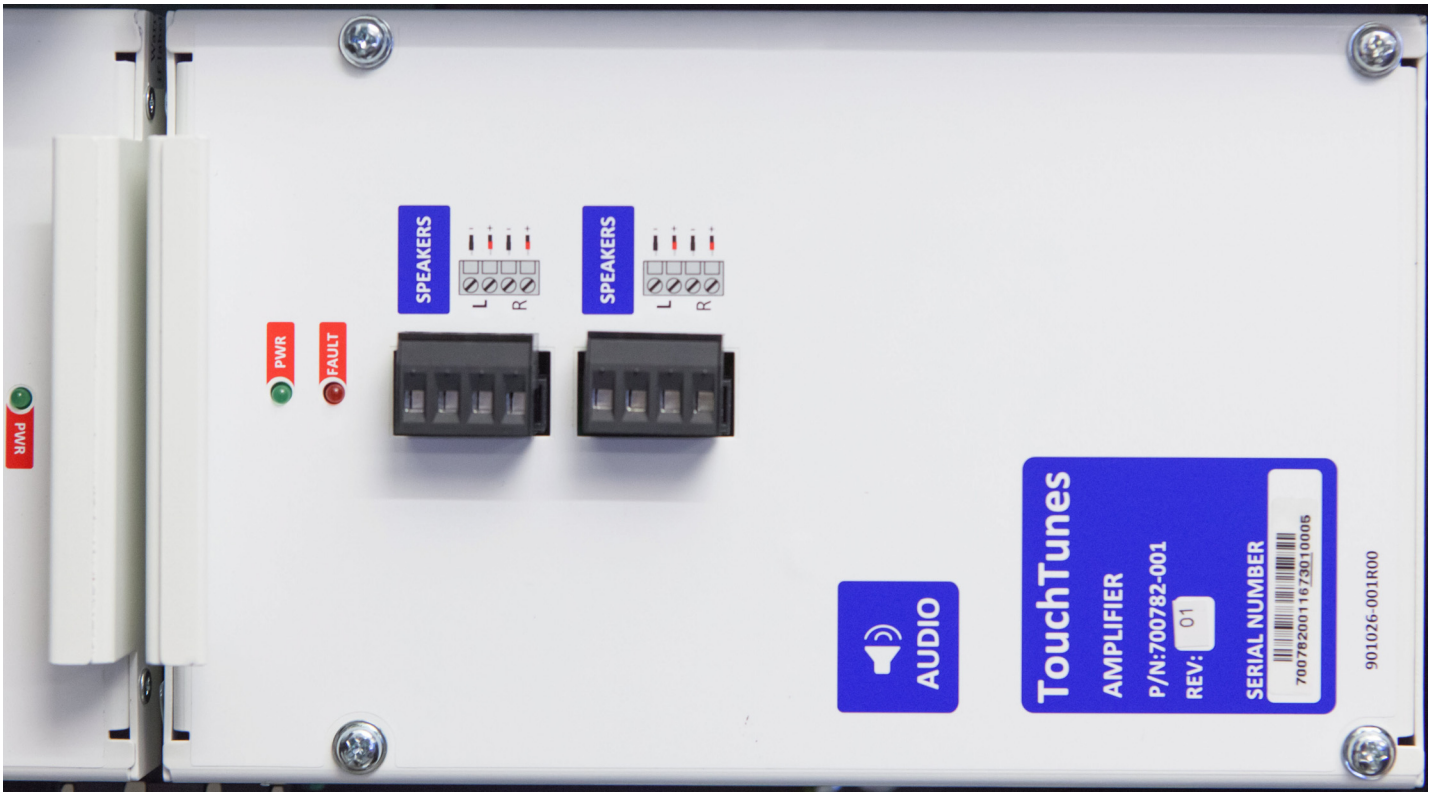

Figure 1: Zone 2 amplifier connections removed

6. If replacing the Zone 1 amplifier, remove the hard drive from the computer (as this hardware component will block you from removing the amplifier).
7. Remove the 4 screws that fasten the amplifier to the Modular Hardware Platform and set them aside.
8. Place your hand on one side of the amplifier and with the other hand, use the handle on the amplifier to gently pull it from its slot.
9. Place the replacement amplifier onto the Modular Hardware Platform and fasten it with the 4 screws.
10. If replacing the Zone 1 amplifier, re-install the hard drive removed in step 6 of this procedure.
11. Restore all input and output connections removed in step 5 of this procedure.

You have now completed the replacement of the amplifier.

Contacting Technical Support

If you need help or have questions about this guide, call the TouchTunes 24/7 Service Hotline at 888-338-5853.

To help us assist you more effectively with problem reports, the following information may be required when contacting TouchTunes support:

- Jukebox model and ID
- Operator ID
- Serial number of the component you believe to be defective
- Date/time of the problem
- Actions performed immediately before the problem occurred
- Any additional comments relevant to the problem

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